



# JSS ACADEMY OF HIGHER EDUCATION & RESEARCH

Accredited "A++" by NAAC

## JSS COLLEGE OF PHARMACY

Sri Shivarathreshwara Nagara, Mysuru -570015

### INTERNATIONAL SYMPOSIUM

# JSS Therapeutic Drug Monitoring 1.0 (JSS TDM 1.0)

## PRECISION ANTIBIOTIC THERAPY

### IN THE ERA OF ANTIMICROBIAL RESISTANCE:

Role of Therapeutic Drug Monitoring, PK/PD Modelling,  
Genomic and Biomarker-Based Resistance Profiling



7 - 9 May 2026



JSS College of Pharmacy and JSS Medical College & Hospital, Mysuru.




nirf 2025 | JSS College of Pharmacy, Ooty - 4<sup>th</sup> • JSS College of Pharmacy, Mysuru - 7<sup>th</sup> • JSS Dental College & Hospital - 10<sup>th</sup> • JSS Medical College - 37<sup>th</sup>

### JSSAHER

JSS Academy of Higher Education & Research (JSSAHER), formerly JSS University, is a deemed-to-be university established in 2008 under the guidance of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji. Specializing in medical and health related studies, JSSAHER includes JSS Medical College, JSS Dental College and JSS College of Pharmacy in Mysuru and Ooty. It also features departments and schools dedicated to Health Sciences, including the Department of Health System Management Studies and School of Life Sciences. With +600 faculty members, 6,000 graduate students and research scholars, JSSAHER offers holistic, quality Education, fostering innovation and research to develop exceptional Healthcare professionals across various disciplines.



### JSS COLLEGE OF PHARMACY, MYSURU

Established in 1973, JSS College of Pharmacy, Mysuru is a renowned constituent college of JSS Academy of Higher Education & Research, dedicated to excellence in pharmaceutical education, research, and healthcare. The institution offers comprehensive programs ranging from D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Ph.D. With state-of-the-art infrastructure, advanced laboratories, highly qualified faculty, and strong academic-industry collaborations, the college fosters innovation, professional ethics, and community service, shaping competent pharmacy professionals and future leaders in the healthcare sector.

### DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

The Department of Pharmaceutical Chemistry at JSS College of Pharmacy, Mysuru, established in 1983, provides comprehensive training in chemical sciences essential for drug discovery, development, and analysis. The department offers M.Pharm and Ph.D. programmes in Pharmaceutical Chemistry and Pharmaceutical Analysis, along with



postgraduate diplomas such as Computer-Aided Drug Design and Food & Drug Analysis. Equipped with modern laboratories, advanced instrumentation, and experienced faculty, the department prepares students for careers in pharmaceutical research, drug development, quality control, and analytical sciences.

### DEPARTMENT OF PHARMACY PRACTICE

The Department of Pharmacy Practice at JSS College of Pharmacy, Mysuru introduced the patient-oriented pharmacy programme in 1995, the first of its kind in India.

The Department of Clinical Pharmacy at JSS Hospital was established in 1997 to provide clinical pharmacy services and hands-on training. With well-trained faculty, strong library resources, and access to electronic databases and journals, the department focuses on clinical pharmacy education, patient care services, and training aligned with international standards.



## JSS MEDICAL COLLEGE & HOSPITAL

### Applied for KMC Credits

JSS Medical College, Mysuru, was started in 1984-85 and is imparting education in medical sciences (MBBS) course. It is recognized by the Medical Council of India and for its excellence in medical education, research, and compassionate healthcare, securing the 37th rank in the National Institutional



Ranking Framework (NIRF) 2025. The institution is supported by JSS Hospital, one of India's largest tertiary care teaching hospitals with 1,800 beds under one roof. The hospital offers comprehensive multidisciplinary care across 37 specialties and super-specialties, equipped with state-of-the-art diagnostic and imaging facilities. Accredited by NABH and NABL, JSS Hospital delivers advanced, affordable healthcare services to Mysuru and surrounding districts.

## DEPARTMENT OF BIOCHEMISTRY

The Department of Biochemistry at JSS Medical College, Mysuru, is dedicated to excellence in teaching, diagnostics, and translational research, supported by highly qualified faculty training undergraduate and postgraduate students across MBBS,



MD, BDS, MDS, Allied Health Sciences, Nursing, and Ph.D. programs. The NABL-accredited Clinical Biochemistry Laboratory at JSS Hospital, the largest in Mysuru, operates round the clock with state-of-the-art automated analyzers, performing over 3,000 tests daily, including immunoassays, blood gas analysis, HbA<sub>1c</sub>, newborn screening,

electrophoresis, maternal serum screening, and specialized biochemical investigations; the laboratory also supports Therapeutic Drug Monitoring (TDM) services. The department further promotes interdisciplinary research through the Centre of Excellence in Molecular Biology and Regenerative Medicine (established in 2012), contributing significantly to academic innovation and patient-centric healthcare.

## JSS TDM 1.0 – ABOUT THE PROGRAMME

The Symposium focuses on precision antibiotic therapy to combat the growing threat of antimicrobial resistance (AMR). The programme highlights the integration of LC-MS/MS-based Therapeutic Drug Monitoring, PK/PD modelling, genomic resistance profiling, and biomarker-based diagnostics. It aims to promote individualized antibiotic dosing and rational antimicrobial use. The symposium will bring together clinicians, researchers, and industry experts to foster interdisciplinary collaboration. Emphasis will be placed on translating advanced analytical and PK-PD Modelling tools to assist clinicians in dose optimization. Aligned with global and national AMR action plans, the event seeks to strengthen antimicrobial stewardship and research capacity in India.

## SYMPOSIUM THEMES

1

Therapeutic Drug Monitoring as the Cornerstone of Precision Antibiotic Therapy

2

PK/PD Modelling and Simulation: Translating Science into Optimized Antibiotic Dosing

3

Genomics, Biomarkers, and Resistance Profiling: The Future of Personalized Antimicrobial Therapy

4

Analytical Excellence in TDM: Driving Precision Antibiotic Therapy

## BENEFITS OF ATTENDING THE SYMPOSIUM

- ♦ Gain insights into precision antibiotic therapy and emerging strategies to combat antimicrobial resistance.
- ♦ Enhance practical understanding of TDM, PK–PD modelling, and genomic approaches in clinical decision-making.
- ♦ Engage with national and international experts for interdisciplinary knowledge exchange and collaboration.
- ♦ Strengthen research, clinical, and stewardship competencies relevant to modern antimicrobial practice.

## WHO CAN ATTEND THE SYMPOSIUM?

1. **Students & Research Scholars:-** UG, PG, and PhD scholars from Pharmacy, Medicine, Microbiology, Biotechnology, and Allied Health Sciences.

2. **Faculty & Academic Researchers:-** Teaching professionals and investigators involved in antimicrobial, pharmacology, bioanalytical, and translational research.

3. **Healthcare Professionals:-** Pharmaceutical analytical & bio-analytical experts, Biochemists, Clinicians, infectious disease specialists, clinical pharmacologists, clinical pharmacists, microbiologists, and laboratory scientists.

4. **Industry & Public Health Professionals:-** Pharmaceutical and biotech industry personnel, Clinical CRO experts, antimicrobial stewardship teams, hospital administrators, and public health experts.

## ADVISORY BOARD



Chief Patron

### His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji

Jagadguru Sri Veerasimhasana Mahasamsthana Math, Suttur Sriksheetra  
Chancellor, JSS AHER

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Pro Chancellor,  
JSS AHER



**Dr. H Basavanagowdappa**  
Vice Chancellor  
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**Dr. Manjunatha B**  
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Hospital, Mysuru



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**Dr. B M Gurupadayya**  
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## CONVENER

## CO-CONVENERS



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**Dr. Umesh M**  
Assistant Professor,  
Department of Pharmacy Practice  
JSSCP, Mysuru

## INTERNATIONAL SPEAKERS



**Dr. Deborah J. E. Marriott**  
Senior Specialist in Clinical Microbiology  
and Infectious Diseases,  
Clinical Director,  
Antimicrobial Therapeutic  
Drug Monitoring Group.



**Dr. Jian Lynn**  
Clinical Pharmacist  
Malaysia



**Dr. Nathalie Grace Sy Chua**  
Antimicrobial Clinical Pharmacist  
Singapore General Hospital  
Singapore

## NATIONAL SPEAKERS



**Dr Sumith K Mathew**  
MD, PhD, Professor  
Believers Church Medical College  
and Hospital  
IATDMCT and Chair of the  
Regional Asia Pacific Section



**Dr. Ratna Prabha**  
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Clinical Pharmacology Unit,  
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Tamil Nadu



**Dr. Sujay Prasad**  
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Neuberg Diagnostics Pvt Ltd  
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**Dr Surulivel Rajan M**  
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Department of Pharmacy Practice,  
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**Dr. Arshia Angural**  
Department of Medical Genetics,  
JSS Medical College & Hospital  
Mysuru



**Dr. Rosy Raju, Pharm D, PhD**  
Department of Pharmacy Practice  
JSS College of Pharmacy  
JSS AHER, Mysuru

## PRE CONFERENCE WORKSHOP – 7 MAY 2026

As part of the symposium, a Pre-Conference Workshop will be conducted in four focused streams to provide practical knowledge. Participants may choose any sessions based on their area of interest. Total intake is limited to 30 participants per session to ensure interactive and hands-on engagement.

Note: Participants can register for only one pre-conference sessions per payment, provided the selected sessions are scheduled in different time slots.

Time	Pre-Conference
10:00 AM TO 1:00 PM	<b>Session 1</b> - Hands-on Therapeutic Drug Monitoring: From Sampling to Report Generation. <b>Session 2</b> - Applied PK/PD Modelling and Dose Optimization for Antibiotics
2:00 PM TO 5:00 PM	<b>Session 3</b> - Genes and Biomarkers Screening in Antimicrobial Resistance <b>Session 4</b> - Designing and Implementing Precision Antibiotic Stewardship Programs

## CALL FOR ABSTRACT

Researchers, clinicians, academicians, and students are invited to submit original research abstracts for oral and E-poster presentations.

### 1. Analytical Methods for Quantification of Antimicrobials in Biological Samples

- ▲ LC-MS/MS, HPLC, and advanced bioanalytical techniques
- ▲ Quantification of antimicrobials in plasma and biological matrices
- ▲ Method development and validation studies of antimicrobials in biological matrices

### 2. Therapeutic Drug Monitoring-Based Dose Optimization and Personalized Dosing Strategies

- ▲ PK-PD studies
- ▲ Pharmacy practice and clinical pharmacist-led interventions
- ▲ Integration of bioanalytical data into clinical decision-making
- ▲ Comparative clinical outcome evaluation of antimicrobial therapy

### 3. Molecular and Genomic Approaches in Antimicrobial Resistance

- ▲ Resistance gene profiling and genomic signatures
- ▲ Advanced molecular diagnostics for AMR detection
- ▲ Biomarker-based infection monitoring

### 4. Antimicrobial Stewardship, Clinical Translation, and Public Health Strategies

- ▲ Hospital-based antimicrobial stewardship programs & Rational prescribing frameworks & Policy-driven AMR mitigation initiatives
- ▲ Translational research bridging laboratory findings and clinical practice
- ▲ Public health strategies for combating antimicrobial resistance

## ABSTRACT SUBMISSION LINK

<https://forms.gle/ecptMvFzZzzEFSZH9>

## ABSTRACT SUBMISSION GUIDELINES

1. Original research studies/systematic reviews /narrative reviews related to the given themes will be accepted.
2. The word limit for the abstract is 300.
3. The abstract should be uploaded in Google form as a PDF.
4. The last date to submit the abstract is 15 April 2026.
5. Abstract title should be brief (maximum 30 words).
6. The abstract for original research studies/systematic reviews/narrative reviews should include:
  - ♦ Introduction/Background
  - ♦ Objectives
  - ♦ Methods and materials, including ethical considerations
  - ♦ Results/ Discussion
  - ♦ Conclusion
  - ♦ Keywords (Minimum 5)
7. Indicate the preferred method of presentation: oral and E-poster and Indicate the theme category.
8. Submitting the declaration form is mandatory to approve the abstract (format is available on the Google form).
9. The scientific committee will send the confirmation mail for future correspondence.
10. The abstract will be checked for similarity index. If the content is found to be plagiarized, it will be sent back to the presenting author for modification.
11. All submitted abstracts will be carefully evaluated by the Scientific Committee.
12. Approved abstracts will be notified within 10 days of submission.
13. The detailed guidelines for the Oral/E-Poster presentation will be informed once the abstract is accepted.
14. Best presentation (Oral and E- Poster) will be awarded.
15. Only the presenting author will receive a certificate for the oral and E-Poster presentation.
16. Presented papers (Oral/E-Poster) will be published in the conference proceedings/Scopus/Web of Science Journal.
17. If you require further assistance with the abstract submission, please contact: [jstsdm.scientific@jssuni.edu.in](mailto:jstsdm.scientific@jssuni.edu.in)

## REGISTRATION FEES (INCLUDING 18% GST):

Participants are invited to register under their respective delegate category for the Pre-Conference Workshop, Main Conference, or both. Registration fees include 18% GST and cover access to academic sessions, delegate kit, meals, and certification as applicable

Delegate Category	Pre-Conference	Conference		
		Early Bird (on or before 10 April 2026)	Registration from (11 April to 06 May 2026)	Spot registration (08 May 2026)
UG / PG / PhD Scholar	1180 (₹)	2360 (₹)	2950 (₹)	4130 (₹)
Faculty	1770 (₹)	2950 (₹)	3540 (₹)	4720 (₹)
Industry Personnel	2360 (₹)	3540 (₹)	4130 (₹)	5310 (₹)
International	75 (USD)	150 (USD)	200 (USD)	NA

### Group Registration Offer:

For group registrations of 10 participants, one complimentary registration will be provided. For further details, kindly contact the Registration Committee.

### Registration Includes

- ◆ Delegate kit
- ◆ Breakfast, lunch, and refreshments
- ◆ Participation only in the pre-conference workshop is not permitted
- ◆ Certificates will be provided for both pre-conference workshop and conference
- ◆ No refunds will be provided upon cancellation of registration
- ◆ Conference registration is mandatory for Oral and E- Poster presentation presenters

### Account Details:

<b>Account Name</b>	<b>JSS Pharmacy College Mysuru</b>
<b>Account Number</b>	<b>43048383657</b>
<b>Name of the Bank</b>	<b>State Bank of India</b> Sri Shivarathreshswara Nagara, Mysuru 570015
<b>IFSC Code</b>	<b>SBIN0040547</b>

SCAN HERE TO REGISTER

Conference Link and QR code for Registration and Payment :

<https://jssuni.edu.in/jssaher/conference/Eventint/registration.aspx?KEY=D280DA9E-59F4-43F6-8A18-4BB481314FD7>



Pre-conference Link and QR code for Registration and Payment:

<https://jssuni.edu.in/jssaher/conference/Eventint/registration.aspx?KEY=D162B2F1-0C57-4CF6-9133-5E178A587290>



Note : \* For Registration and queries – [jsstdm@jssuni.edu.in](mailto:jsstdm@jssuni.edu.in)

\* For more information, visit the JSS AHER website:

<https://www.jssuni.edu.in/JSSWeb/WebHome.aspx>

Participants will be directed to the Important Notifications section, where the “JSS TDM 1.0 International Symposium” link will redirect to the symposium website for details and registration.

### IMPORTANT DATES

- ◆ Last date for abstract submission: 15 April 2026
- ◆ Early bird registration deadline: 10 April 2026
- ◆ Pre-conference workshop: 7 May 2026
- ◆ Conference dates: 8–9 May 2026

### CONTACT DETAILS

#### CONVENER

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## SPONSORSHIP

This international symposium brings together clinicians, researchers, academicians, diagnostic laboratories, and pharmaceutical industries to discuss advances in Therapeutic Drug Monitoring, PK/PD modelling, and precision antimicrobial therapy.

The organizing committee invites pharmaceutical, biotechnology, and healthcare organizations to support this academic initiative and showcase their products, technologies, and services to a wide audience of healthcare professionals and researchers.

### Diamond Sponsor

**Contribution:  $\geq$  INR 1,00,000**

- \* 5 complimentary conference registrations
- \* Logo displayed on conference kits and delegate badges
- \* Recognition during social function / networking event
- \* Acknowledgement on sponsorship and thank-you pages of the conference website

### Gold Sponsor

**Contribution:  $\geq$  INR 50,000**

- \* 3 complimentary conference registrations
- \* Acknowledgement on sponsorship and thank-you pages on conference website
- \* Signage display at registration counter

### Silver Sponsor

**Contribution:  $\geq$  INR 25,000**

- \* 2 complimentary conference registrations
- \* Acknowledgement on sponsorship and thank-you pages on conference website
- \* Signage display during tea / coffee breaks

### Bronze Sponsor

**Contribution:  $\geq$  INR 10,000**

- \* 1 complimentary conference registration
- \* Acknowledgement on sponsorship and thank-you pages on conference website
- \* Advertisement placement in conference kits

### Co-Sponsor

**Contribution: Any amount  $<$  INR 10,000**

- \* Acknowledgement on conference website
- \* Certificate of appreciation

## Mysuru City

Mysuru is a cultural capital of Karnataka and is well known for its heritage structures and palaces. Mysuru is located at the foothills of Chamundi Hills, Mysuru State. Mysuru is well known for Mysuru Dasara, State festival of Karnataka. The cultural city is also famous for Mysore silk sarees, Mysurupak, Mysore Peta, Mysore Sandal Soap, etc.

Local Sightseeing and Tourist Places to Visit in and around Mysuru Distance (km.) from City Bus Stand (CBS).



## JSS AHER - GLOBAL CAMPUS AT VARUNA, MYSURU



 <b>A++</b>	 <b>21st</b> University Category	 <b>2</b> in WORLD	 <b>56</b> in WORLD	 <b>336</b>	 <b>101-150</b> World University Ranking 2024	 <b>EXCELLENT</b> 2023-2026	 <b>RANKED</b> 2024	 <b>801-1000</b> 23 in INDIA	 <b>601-800</b> 801-1000	 <b>401-500</b> 57 in INDIA	 <b>251-300</b> 27 in INDIA
<b>2025</b>   JSS College of Pharmacy, Ooty - 4 <sup>th</sup>   JSS College of Pharmacy, Mysuru - 7 <sup>th</sup>   JSS Dental College & Hospital - 10 <sup>th</sup>   JSS Medical College - 37 <sup>th</sup>											